

FIGURE 1

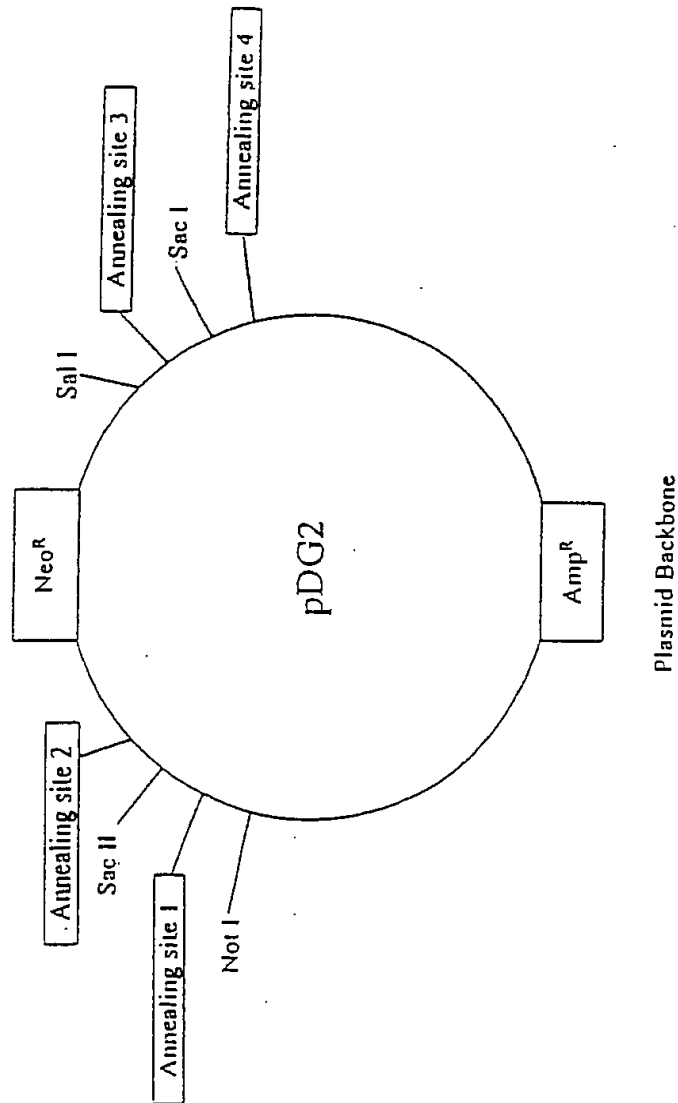


FIGURE 2A

GTTAACTACG TCAGGTGGCA CTTTTCGGGG AAATGTGCGC GGAACCCCTA TTTGTTTATT TTTCTAAATA CATTCAAATA  
 TGTATCCGCT CATGAGACAA TAACCTGTAT AAATGCTTCA ATAATATTGA AAAAGGAAGA GTATGAGTAT TCAACATTTC  
 CGTGTGCGCC TTATTCCCTT TTTTTCGGCA TTTTGCCCTC CTGTTTTTGC TCACCCAGAA ACGCTGGTGA AAGTAAAGA  
 TGCTGAAGAT CAGTTGGGTG CACGAGTGGG TTACATCGAA CTGGATCTCA ACAGCGGTAA GATCCTTGAG AGTTTTCGCC  
 CCGAAGAACG TTCTCCAATG ATGAGCACTT TTAAGTTCT GCTATGTGGC GCGGTATTAT CCCGTGTTGA CGCCGGGCAA  
 GAGCAACTCG GTCGCGCAT ACACTATTCT CAGAATGACT TGGTTGAGTA CTCACCACTC ACAGAAAAGC ATCTTACGGA  
 TGGCATGACA GTAAGAGAA TATGCAGTGC TGCCATAACC ATGAGTGATA AACTGCGGC CAACTTACTT CTGACAACGA  
 TCGGAGGACC GAAGGAGCTA ACCGCTTTTT TGCACAACAT GGGGGATCAT GTAACCTGCC TTGATCGTTG GGAACCGGAG  
 CTGAATGAAG CCATACCAAA CGACGAGCGT GACACCAACG TGCTGTAGC AATGGCAACA ACCTTATTAAC  
 TGGCGAACTA CTTACTCTAG CTTCCCGGCA ACAATTAATA GACTGGATGG AGGCGGATAA AGTTGCAGGA CCACCTCTGC  
 GCTCGGCCCT TCCGCTGGC TGGTTTATTG CTGATAAATC TGGAGCCGGT GAGCGTGGGT CTCGCGGTAT CATTGCAGCA  
 CTGGGGCCAG ATGGTAAGCC CTCCTGTATC GTAGTTATCT ACACGACGGG GAGTCAGGCA ACTATGGATG AACGAAATAG  
 ACAGATCGCT GAGATAGGTG CCTCACTGAT TAAGCATTGG TAACTGTGAG ACCAAGTTTA CTCATATATA CTTTAGATTG  
 ATTTACCCCG GTTGATAATC AGAAAAGCCC CAAAACAGG AAGATTGTAT AAGCAAAATAT TTAATTTAATA AACGTTAATA  
 TTTTGTATAA ATTGCGTTA AATTTTGTG AAATCAGCTC ATTTTAAAC CAATAGGCGG AAATCGGCAA AATCCGCTAT  
 AAATCAAAAG AATAGCCCGA GATAGGGTTG AGTGTGTTC CAGTTTGGAA CAAGAGTCCA CTATTAAAGA ACGTGGACTC  
 CAACGTCAA GGGCGAAAAA CCGTCTATCA GGGCGATGGC CCACCTACGT AACCATCACC CAAATCAAGT TTTTGGGGT  
 CGAGGTGCGG TAAAGCACTA AATCGGAACC CTAAAGGAG CCCCAGATT AGAGCTTGAC GGGGAAACCG AACTGCGCA  
 GAAAGGAAGG GAAGAAAGCG AAAGGAGCGG GCGCTAGGGC GCTGGCAAGT GTAGCGGTCA CGCTGCGCGT AACCAACACA  
 CCCGCGCGC TTAATGCGCC GCTACAGGGC GCGTAAAGG ATCTAGGTGA AGATCCTTTT TGATAATCTC ATGACCAAAA  
 TCCCTTAACG TGAGTTTTCG TTCCACTGAG CGTCAGACCC CGTAGAAAAG ATCAAAGGAT CTTCTTGAGA TCCTTTTTTT  
 CTGCGCGTAA TCTGCTGCTT GCAAAACAAA AAACCACCGC TACCAGCGGT GGTGTGTTTG CCGGATCAAG AGCTACCAAC  
 TCTTTTTCG AAGGTAACGT GCTTCAGCAG AGCGCAGATA CCAATACTG TTCTTCTAGT GTAGCCGTAG TTAGGCCACC  
 ACTTCAAGAA CTCTGTAGCA CCGCTACAT ACCTCGCTCT GCTAATCCTG TTACCAGTGG CTGCTGCCAG TGGCGATAAG  
 TCGTGTCTTA CCGGGTTTGA CTCAAGACGA TAGTTACCGG ATAAGGCGCA GCGGTGCGGC TGAACGGGGG GTTCGTGCAC  
 ACAGCCAGC TTGGAGCGAA CGACCTACAC CGAAGTGAAG TACCTACAGC GTGAGCTATG AGAAGCGGCC ACGCTTCCCG  
 AAGGGAGAAA GGGCGACAGG TATCCGGTAA GCGGCAGGGT CGGAACAGGA GAGCGCACGA GGGAGCTTCC AGGGGGAAC  
 GCCTGGTATC TTTATAGTCC TGTCGGGTTT CGCCACCTCT GACTTGAGCG TCGATTTTGG TGATGCTCGT CAGGGGGGCG  
 GAGCCTATGG AAAACGCCA GCAACGCGGC CTTTTCAGG TTCTTGGCCT TTTGCTGGCC TTTTGTCTAC ATGTAATGTG  
 AGTTAGCTCA CTCATTAGGC ACCCGAGGCT TTACACTTTA TGCTTCCGGC TCGTATGTTG TGTGGAATTG TGAGCGGATA  
 ACAATTTTCA ACAGGAAACA GCTATGACCA TGATTACGCC AAGCTACGTA ATACGACTCA CTAGGCGGCC GCGTTTAAAC  
 AATGTGCTCC TCTTTGGCTT GCTTCCGCGG GCCAAGCCAG ACAAGAACCA GTTGACGTCA AGCTTCCCGG GACGCGTGCT  
 AGCGCGCGCG CGAATTCCTG CAGGATTGGA GGGCCCTGCG AGGTCAATTG TACCGGGTAG GGGAGCGCGT TTTCCCAAGG  
 CAGTGTGGAG CATGCGCTTT AGCAGCCCGC CTGGCACTG GCGCTACACA AGTGGCCTCT GGCCTCGCAC ACATTCCACA  
 TCCACCGGTA GCGCCAACCG GCTCCGTCTT TTGGTGGCCC CTTGCGGCCA CCTTCTACTC CTCCCTAGT CAGGAAGTTC  
 CCCCCCGCCC CGCAGCTCGC GTCGTGACAG ACGTGACAAA TGGAAGTAGC ACGTCTCACT AGTCTCGTGC AGATGGACAG  
 CACCGCTGAG CAATGGAAGC GGGTAGGCCT TTGGGGCAGC GGCCAATAGC AGCTTTGCTC CTTGCTTTC TGGGCTCAGA  
 GGCTGGGAAG GGGTGGGTCC GGGGGCGGCG GCTCAGGGCG GCTCAGGGCG GGGGCGGGCG CGAAGGTCCT CCCGAGGCC  
 GGCATTCTCG CACGCTTCAA AAGCGCACGT CTGCCGCGCT GTTCTCCTCT TCCTCATCTC CCGGCTTTC GACCTGCAGC  
 CAATATGGGA TCGGCCATTG AACAGATGG ATTGCACGCA GGTTCCTCCG CCGCTTGGGT GGAGAGGCTA TTCGGCTATG  
 ACTGGGCACA ACAGACAATC GGCTGCTCTG ATGCCGCGT GTTCCGCGTG TCAGCGCAGG GCGCCCCGGT TCTTTTTGTG  
 AAGACCGACC TGTCCGGTGC CCTGAATGAA CTGCAGGACG AGGCAGCGCG GCTATCGTGG CTGGCCACGA CCGGCGTTC  
 TTGCGCAGCT GTGCTCGACG TTGTCACTGA AGCGGGAAGG GACTGGCTGC TATTGGGCGA AGTGCCGGGG CAGGATCTCC  
 TGTCTATCTA CTTTGTCTCT GCCGAGAAAG TATCCATCAT GGCTGATGCA ATGCGGCGGC TGCAATACGT TGATCCGGCT  
 ACCTGCCCAT TCGACCACCA AGCGAAACAT CGCATCGAGC GAGCACGTAC TCGGATGGAA GCGGTCTTG TCGATCAGGA  
 TGATCTGGAC GAAGAGCATC AGGGGCTCGC GCCAGCCGAA CTGTTTCGCCA GGCTCAAGGC GCGCATGCCC GACGGCGATG  
 ATCTCGTCTG GACCCATGGC GATGCTGCTT TGCCGAATAT CATGGTGGAA AATGGCCGCT TTTCTGGATT CATCGACTGT  
 GCGCGGCTGG GTGTGGCGGA CCGCTATCAG GACATAGCGT TGGCTACCGG TGATATTGCT GAAGAGCTTG GCGGCGAATG  
 GGCTGACCGC TTCCTCGTGC TTTACGGTAT CGCGCTCCC GATTGCGAGC GCATCGCCTT CTATCGCCTT CTTGACAGT  
 TCTTCTGAGG GGATCGATCC GTCCTGTAAG TCTGCAGAAA TTGATGATCT ATTAAACAAT AAAGATGTCC ACTAAATGG  
 AAGTTTTTCC TGTCACTACT TGTTAAGAAG GGTGAGAACA GAGTACCTAC ATTTTGAATG GAAGGATTGG AGCTACGGGG  
 GTGGGGGTGG GGTGGGATTA GATAAATGCC TGCTCTTTAC TGAAGGCTCT TTAATATTGC TTTATGATAA TGTTTCATAG  
 TTGGATATCA TAATTTAAAC AAGCAAAACC AAATTAAGGG CCAGCTCATT CCTCCACTC ATGATCTATA GATCTATAGA  
 TCTCTCGTGG GATCATTGTT TTTCTCTTGA TTCCCACTTT GTGGTTCTAA GTACTGTGGT TTCCAAATGT GTCAGTTTCA  
 TAGCCTGAAG AACGAGATCA GCAGCCTCTG TTCCACATAC ACTTCATTCT CAGTATTGTT TTGCCAAGTT CTAATTCAT  
 CAGAACTGAG CTCTAGATCT GGATCCGGCC AGCTAGGCTG TCGACCTCGA GTGATCAGGT ACCAAGGTCC TCGCTCTGTG  
 TCCGTTGAGC TCGACGACAC AGGACACGCA AATTAATTAA GGC CGGGCCCG TACCCTCTAG TCAAGGCCCT AAGTGAGTCC  
 TATTACGGAC TGGCGCTCGT TTTACAACGT CGTGACTGGG AAAACCCCTG CGTTACCCAA CTTAATCGCC TTGCAGCACA  
 TCCCCCTTT GCCAGCTGGC GTAATAGCGA AGAGGCCCGC ACCGATCGCC CTTCCCAACA GTTGCGCAGC CTGAATGGCG  
 AATGGCGCTT CGCTTGGTAA TAAAGCCCGC TTCGCGCGGC TTTTTTTT;

FIGURE 2B

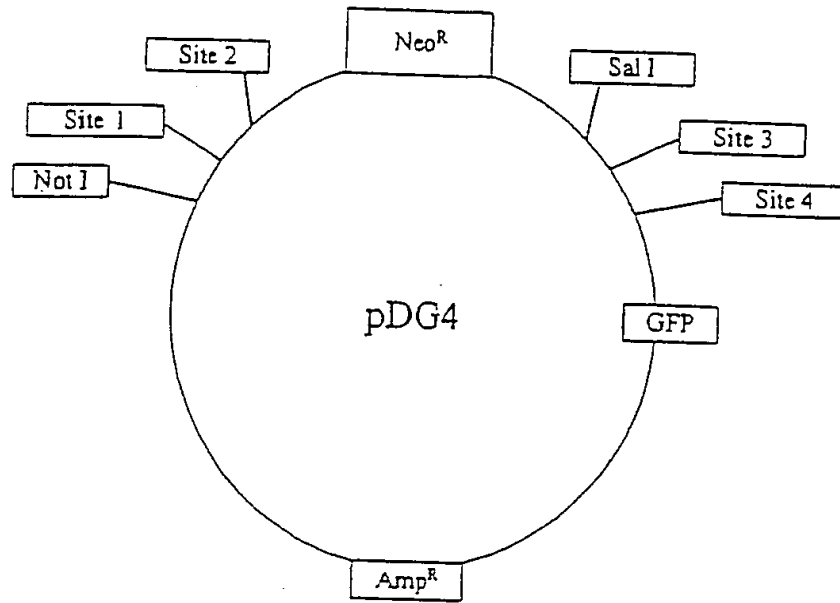


FIGURE 3A

GTTTAATAGT AATCAATTAC GGGGTCAATTA GTTCATAGCC CATATATGGA GTTCCGCGTT ACATAACTTA CGGTAAATGG  
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 CTTTCCAATG ACGTCAATGG GTGGAGTATT TACGGTAAAC TGCCCACTTG GCAGTACATC AAGTGTATCA TATGCCAAGT  
 ACGCCCCCTA TTGACGTCAA TGACGGAAAA TGGCCCGCCT GGCATTAAGC CCAGTACATG ACCTTATGGG ACTTTCCTAC  
 TTGGCAGTAC ATCTACGTAT TAGTCATCGC TATTACCATG GTGATGCGGT TTTGGCAGTA CATCAATGGG CGTGGATAGC  
 GGTTTGACTC ACGGGGATTT CCAAGTCTCC ACCCCATTGA CGTCAATGGG AGTTTGTTTT GGCACCAAAA TCAACGGGAC  
 TTTCCAAAT GTCTAACAA CTCCGCCCA TTGACGAAA TGGGCGGTAG GCGTGTACGG TGGGAGGTCT ATATAAGCAG  
 AGCTGGTTTA GTGAACCGTC AGATCCGCTA GCGCTACCGG TCGCCACCAT GGTGAGCAAG GCGGAGGAGC TGTTCACCGG  
 GGTGGTGCCC ATCCTGGTCG AGCTGGACGG CGACGTAAAC GGCCACAAGT TCAGCGTGTG CCGCGAGGGC GAGGGCGATG  
 CCACCTACGG CAAGCTGACC CTGAAGTTCA TCTGCACCAC CGGCAAGCTG CCCGTGCCCT GGGCCACCCT CGTGACCACC  
 CTGACCTACG GCGTGCAGTG CTTGAGCCGC TACCCCGACC ACATGAAGCA GCACGACTTC TTCAAGTCCG CCATGCCCGA  
 AGGCTACCTG CAGGAGCGCA CCATCTTCTT CAAGGACGAC GGCAACTACA AGACCCGCGC CGAGGTGAAG TTCGAGGGCG  
 ACACCCTGGT GAACCGCATC GAGCTGAAGG GCATCGACTT CAAGGAGGAC GGCAACATCC TGGGGCACA GCTGGAGTAC  
 AACTACAACA GCCACAACGT CTATATCATG GCCGACAAGC AGAAGAACGG CATCAAGGTG AACTTCAAGA TCCGCCACAA  
 CATCGAGGAC GGCAGCGTGC AGCTCGCCGA CCACTACCAG CAGAACACCC CCATCGGCGA CCGCCCCGTG CTGCTGCCCG  
 ACAACCACTA CCTGAGGACC CAGTCCGCCG CCCCACGAG AAGCGCGATC ACATGGTCCCT GCTGGAGTTT CTTGGAGTTT  
 GTGACCGCGG CCGGGATCAC TCTCGGCATG GACGAGCTGT ACAAGTCCGG ACTCAGATCC ACCGGATCTA GATAACTGAT  
 CATAATCAGC CATACCACAT TTGTAGAGGT TTTACTTGCT TTAATAATGG TCCACACCT CCCCTGAAC CTGAAACATA  
 AAATGAATGC AATTGTTGTT GTTAACTTGT TTATTGCAGC TTATAATGGT TACAAATAAA GCAATAGCAT CACAAATTTT  
 ACAATAAAG CATTTTTTTC ACTGCATTCT AGTTGTGGTT TGTCCAACT CATCAATGTA TCTTAAGCGC AACTACGTCA  
 GGTGGCACTT TTCGGGGAAT TGTGCGCGGA ACCCTATT TTATTATTTT CTAAATACAT TCAAAATATG ATCCGCTCAT  
 GAGACAATAA CCTTGATAAA TGCTTCAATA ATATTGAAA AGGAAGAGTA TGAGTATTCA ACATTTCCGT GTCCGCCCTT  
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 TTGGGTGCAC GAGTGGGTTA CATCGAATCG GATCTCAACA GCGGTAAGAT CCTTGAGAGT TTTGCGCCCG AAGAACGTTT  
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 GGAGCTAACG GCTTTTTTGC ACAACATGGG GGATCATGTA ACTCGCCTTG ATCGTTGGGA ACCGGAGCTG ACGGAAGGCA  
 TACCAACGA CGAGCGTGAC ACCACGATGC CTGTAGCAAT GGCAACAACG TTGCGCAAACT TATTAAGTGG CGAACTACTT  
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 GGCTGGCTGG TTTATTGCTG ATAAATCTGG AGCCGGTGAG CGTGGGTCTC GCGGTATCAT TGCAGCACTG GGGCCAGATG  
 GTAAGCCCTC CCGTATCGTA GTTATCTACA CGACGGGAGG TCAGGCAACT ATGGATGAAC GAAATAGACA GATCGCTGAG  
 ATAGGTGCTT CACTGATTAA GCATTGTGTA CTGTGAGACC AAGTTTACTC ATATATACTT TAGATTGATT TACCCCGGTT  
 GATAATCAGA AAAGCCCCAA AAACAGGAAG ATTGTATAAG CAAATATTTA AATTGTAAAC GTTAATAATT TGTAAAAAT  
 CGCGTTAAAT TTTTGTAAAT TCAGCTCAT TTTTAAACAA TAGGCCGAAA TCGGCAAAAT CCGCTATAAA TCAAAAGAA  
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 GTTTTCGTTC CACTGAGCGT CAGACCCCGT AGAAAAGATC AAAGGATCTT CTTGAGATCC TTTTTCCTG CCGCTAATCT  
 GGTGCTTGCA AACAAAAAAA CCACCGCTAC CAGCGGTGGT TTGTTTGGCG GATCAAGAGC TACCAACTCT TTTCCGAAG  
 GTAACCTGGT TCAGCAGAGC GCAGATACCA AATACTGTTT TTCTAGTGA GCCGTAGTTA GGGCCACACT TCAAGAACTC  
 TGTAGCACCG CCTACATACC TCGCTCTGCT AATCCTGTTA CCAGTGGCTG CTGCCAGTGG CGATAAGTCT GTCTTACCG  
 GGTGGACTC AAGACGATAG TTACCGGATA AGGCGCAGCG GTCCGGCTGA ACGGGGGGTT CGTGACACACA GCCCAGCTTG  
 GAGCGAACGA CCTACACCGA ACTGAGATAC CTACAGCGTG AGCTATGAGA AAGCGCCACG CTTCCCGAAG GGAGAAAGGG  
 GGACAGGTAT CCGGTAAGCG GCAGGGTCGG AACAGGAGG CGCACGAGG AGCTTCCAGG GGGAAACGCC TGGTATCTTT  
 ATAGTCTGT CGGGTTTCGC CACCTCTGAC TTGAGCGTCG ATTTTGTGA TGCTCGTCAG GGGGGCGGAG CCTATGGAAA  
 AACGCCAGCA ACGCGGCTT TTTACGGTTC CTGGCCTTTT GCTGGCCTTT TGCTCACATG TAATGTGAGT TAGCTCACTC  
 ATTAGGCACC CCAGGCTTTA CACTTTATGC TTCGGCTCC TATGTTGTGT GGAATTGTGA GCGGATAACA ATTTACACAC  
 GGAAACAGCT ATGACCATGA TTACGCCAAG CTACGTAATA CGACTCACTA GCGGCGCGCG TTTAAACAAT TTTCCACATC  
 TTGGCTTGCT TCCGCGGGCC AAGCCAGACA AGAACAGTT GACGTCAAGC TTCCCGGGAC GCGTGTAGC GCGCGCCCGA  
 ATTCCTGCAG GATTGAGGG CCCCTGCAGG TCAATTCTAC CCGGTAGGGG AGGCGCTTTT CCCAAGGCAG TCTGGAGCAT  
 GCGCTTTAGC AGCCCCGCTG GCACTTGGCG CTACACAAGT GGCCTCTGGC CTGCACACA TTCCACATCC ACCGGTAGCG  
 CCAACCGGCT CCGTCTTTTG GTGGCCCTT CGCGCCACT TCTACTCTC CCCTAGTCAG GAAAGTCCCC CCGCCCCCGC  
 AGCTCGCGTC GTGAGGACG TGACAAATGG AAGTAGCAG TCTCACTAGT CTGCTGCAGA TGGACAGCAC CGCTGAGCAA  
 TGGAAGCGGG TAGGCCTTTG GGGCAGCGGC CAATAGCAGC TTTGCTCCTT CGCTTTCTG GCTCAGAGGC TGGGAAGGGG

FIGURE 3B1

TGGGTCCGGG GCGGGCTCA GGGGCGGGCT CAGGGGCGGG GCGGGCGCGA AGGTCCTCCC GAGGCCCGGC ATTCTCGCAC  
 GCTTCAAAAG CGCAGCTCTG CCGCGCTGTT CTCCTCTTCC TCATCTCCGG GCCTTTTCGAC CTGCAGCCAA TATGGGATCG  
 GCCATTGAAC AAGATGGATT GCACGCAGGT TCTCCGGCCG CTTGGGTGGA GAGGCTATTG GGCTATGACT GGGCACAACA  
 GACAAATCGGC TGCTCTGATG CCGCGCTGTT CCGGCTGTCA GCGCAGGGGC GCCCGGTTCT TTTTGTCAAG ACCGACCTGT  
 CCGGTGCCCT GAATGAACTG CAGGACGAGG CAGCGCGGCT ATCGTGGCTG GCCACGACGG GCGTTCCTTG CGCAGCTGTG  
 CTCGACGTTG TCACTGAAGC GGGGAAGGGAC TGGCTGCTAT TGGGCGAAGT GCCGGGGCAG GATCTCCTGT CATCTCACCT  
 TGCTCCTGCC GAGAAAGTAT CCATCATGGC TGATGCAATG CCGCGGCTGC ATACGCTTGA TCCGGCTACC TGCCCATTCG  
 ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTACTCG GATGGAAGCC GGTCTTGTG ATCAGGATGA TCTGGACGAA  
 GAGCATCAGG GGCTCGCGCC AGCCGAACTG TTCGCCAGGC TCAAGGCGCG CATGCCCGAC GGCATGATC TCGTCGTGAC  
 CCATGGCGAT GCCTGCTTGC CGAATATCAT GGTGGAAAAT GGCCTCTTTT CTGGATTGAT CGACTGTGGC CGGCTGGGTG  
 TGGCGGACCG CTATCAGGAC ATAGCGTTGG CTACCCGTGA TATTGCTGAA GAGCTTGGCG GCGAATGGGC TGACCGCTTC  
 CTCGTGCTTT ACGGTATCGC CGCTCCCGAT TCGCAGCGCA TCGCCTTCTA TCGCCTTCTT GACGAGTTCT TCTGAGGGGA  
 TCGATCCGTC CTGTAAGTCT GCAGAAATG ATGATCTATT AAACAATAAA GATGTCCACT AAAATGGAAG TTTTCTCTGT  
 CATACTTTGT TAAGAAGGGT GAGAACAGAG TACCTACATT TTGAATGGAA GGATTGGAGC TACGGGGGTG GGGGTGGGGT  
 GGGATTAGAT AAATGCCTGC TCTTTACTGA AGGCTCTTTA CTATTGCTTT ATGATAATGT TTCATAGTTG GATATCATAA  
 TTTAAACAAG CAAAACCAAA TTAAGGGCCA GCTCATTCCT CCCACTCATG ATCTATAGAT CTATAGATCT CTCGTGGGAT  
 CATTGTTTTT CTCCTGATTC CCACCTTTGTG GTTCTAAGTA CTGTGGTTTC CAAATGTGTC AGTTTCATAG CCTGAAGAAC  
 GAGATCAGCA GCCTCTGTTT CACATACACT TCATTCTCAG TATTGTTTTG CCAAGTTCTA ATTCCATCAG AAGCTGACTC  
 TAGATCTGGA TCCGGCCAGC TAGGCCGTCG ACCTCGAGTG ATCAGGTACC AAGSTCCTCG CTCTGTGTCC GTTGAGCTCG  
 ACGACACAGG ACACGCAAT TAATTAAGGC CGGCCCGTAC CCTCTAGTCA AGGCCTTAAG TGAGTCGTAT TACGGACTGG  
 CCGTCGTTTT ACAACGTCGT GACTGGGAAA ACCCTGGCGT TACCCAACTT AATCGCCTTG CAGCACATCC CCCTTTCGCC  
 AGCTGGCGTA ATAGCGAAGA GGCCCGCACG GATCGCCCTT CCCAACAGTT GCGCAGCCTG AATGGCGAAT GCGGCTTCG  
 TTGGTAATAA AGCCCGCTTC GCGGGGCTTT TTTTT

FIGURE 3B2

Annealing site	Sequence	Sequence after digestion
1	5' tgtgctcctcttttggttgcttccaa... 3' 3' acacgaggagaaacggaacgaaggtt... 5'	5' tgtgctcctcttttggttgcttccaa... 3' 3' tt... 5'
2	5' ctgggttcttgcttggttggttggttccaa... 3' 3' gaccaagaacagaccgaacgggtt... 5'	5' ctgggttcttgcttggttggttggttccaa... 3' 3' tt... 5'
3	5' ggctcctcgctctgtgtccggttgaa... 3' 3' ccaggagcgagacacaggaactt... 5'	5' ggctcctcgctctgtgtccggttgaa... 3' 3' tt... 5'
4	5' ttgctgtgtcctgtgtcgtcgaa... 3' 3' aaacgcacaggacacagcagctt... 5'	5' ttgctgtgtcctgtgtcgtcgaa... 3' 3' tt... 5'

FIGURE 4

Annealing site	Sequence	Sequence after digestion
1	5' AAtgtgctcctctcttggcttgcttccgc 3' 3' Ttacacgaggagaaaccgaacgaagg 5'	5' AA 3' 3' Ttacacgaggagaaaccgaacgaagg 5'
2	5' AActgggtcttctgtctggcttgccccgc 3' 3' Ttgaccaagaacagaccgaaccggg 5'	5' AA 3' 3' Ttgaccaagaacagaccgaaccggg 5'
3	5' AAggtcctcgtctctgtgtccgttgagct 3' 3' Ttccaggagcgagacacagggcaac 5'	5' AA 3' 3' Ttccaggagcgagacacagggcaac 5'
4	5' AAtttgctgtcctgtgtcgtccgagct 3' 3' Ttaaacgcacaggacacagcagc 5'	5' AA 3' 3' Ttaaacgcacaggacacagcagc 5'

FIGURE 5



9/11

FIGURE 6

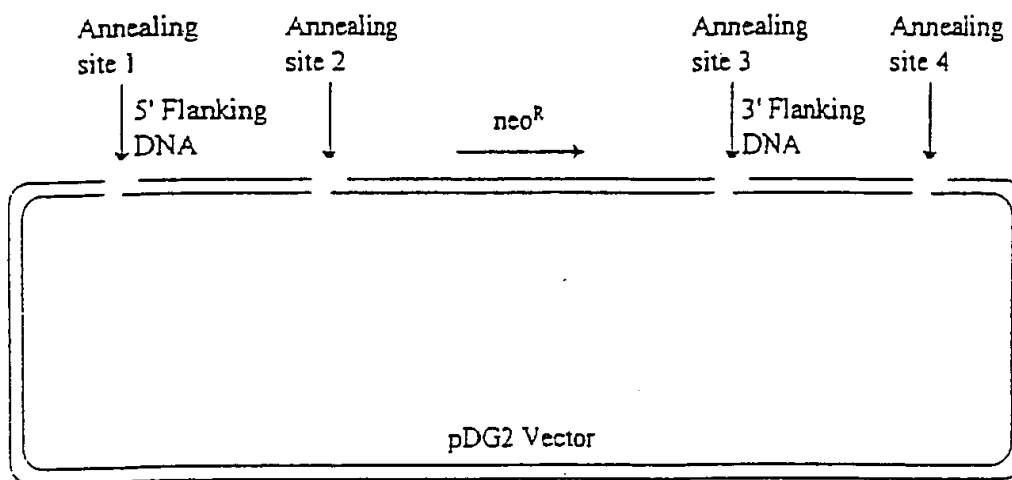
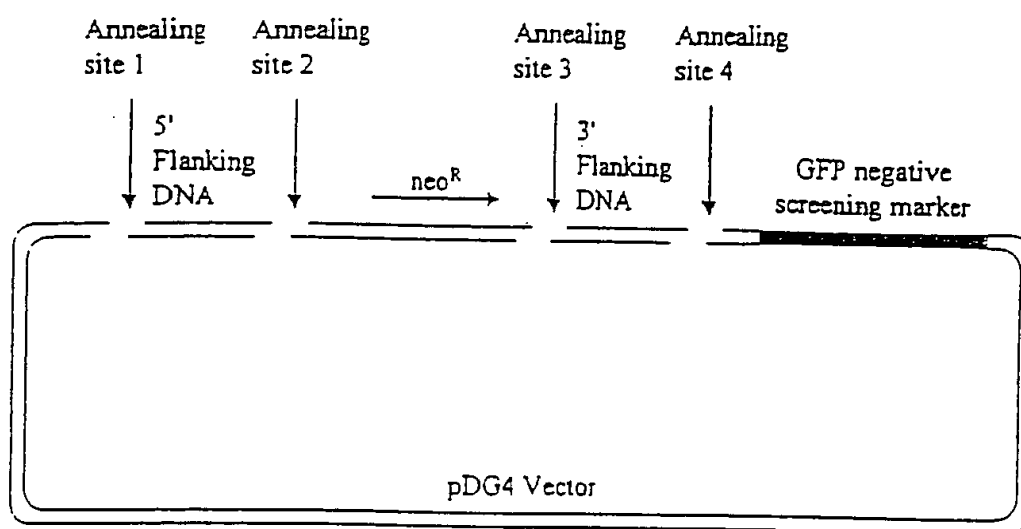


FIGURE 7



Oligo#	Sequence (5' to 3')
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctcctcttttggttgcttccAATTAACCCTCACTAAAGGGAACGAAT
463	ctgggttcttgtctggcttgcccaaTGCAACAGGTTTCCTGAGCGGTCAT
464	ggtcctcgctctgtgtccgttgaaCCTCAAGCTGGCCTACTATGCCTAT
42	tttgctgtgctcctgtgtcgtaCGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTTTGGAAC
155	GTTCTGGCAAACAAATTCGGCGCAC
454	tgtgctcctcttttggttgcttccAATTAACCCTCACTAAAGGGAACGAAT
465	ctgggttcttgtctggcttgcccaaGTTCCAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttgaaGTGCGCCGAATTTGTTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGCTGAACCCCTTGTCT
41	tgtgctcctcttttggttgcttccAATTAACCCTCACTAAAGGGAACGAAT
38	ctgggttcttgtctggcttgcccaaGAAGTAACCTGGCACACCAAGGTTTC
40	ggtcctcgctctgtgtccgttgaaAGAACAAGGGGTTCAAGCCAAAGTTC
37	tttgctgtgctcctgtgtcgtaAATTAACCCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCCTACTACTGGGCC
546	TGTCATAGTAGACAGCGATGGAACG
445	GACAAGAACCAGTTGACGTCAAGCTTCCCGGGACGCGTGCTAGCGGCGCGCCG
667	ctgggttcttgtctggcttgcccaaGGCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaaCGTTCCATCGCTGTCTACTATGACA
907	ctgggttcttgtctggcttgcccaaAAAGCCGACAGCCACGCTCACAAGC
908	ggtcctcgctctgtgtccgttgaaGCCCAATGCCACAGAGACAGAATGT
1157	ctgggttcttgtctggcttgcccaaGTTGGATCCTCTCCAAGGCCCATCT
1158	ggtcctcgctctgtgtccgttgaaCTCCAGTGCCGAGTGTGTGGGGACAG

Figure 8